This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Thursday, August 12, 2004

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC; PLUR=YES; OP=ADJ		
☐	L13	L11 and operating	63
☐	L12	L9 and (compar$ same attribute)	33
☐	L11	L9 and oriented	63
☐	L10	L9 and UML	1
☐	L9	L8 and (compare or comparing)	104
☐	L8	L7 and identify$	138
☐	L7	L4	171
☐	L6	L4 and l1	4
	DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
☐	L5	L4	0
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
☐	L4	L3 and attribute	171
☐	L3	L2 and device driver	386
☐	L2	(preload$ or pre?set or presetting) and install$	28203
	DB=PGPB,USPT,USOC; PLUR=YES; OP=ADJ		
☐	L1	717/106-123,168-178.ccls.	3281

END OF SEARCH HISTORY

Results **1 - 20** of about **75** for **preload object oriented attribute UML"Device Driver"** . Search took 0.59 seconds. (About this page...)

1. http://www.magnicomp.com/sysinfo/examples/redhat-7.1-x86/all_report_msglevel_all.text
... MAX | Maximum value an **object** of type int can hold ... MAX | Maximum value an **object** of type ssize_t can ... PSE ...
www.magnicomp.com/sysinfo/examples/redhat-7.1-x86/all_report_msglevel_all.text - 524k - Cached

2. http://www.cybernet.adsl.dk/ftp/SuSE/8.0/ChangeLog
15557) ++++ k_smp: - Fixed RPC congestion handling broken by nfs-tcp-tweaks patch which caused devastating
www.cybernet.adsl.dk/ftp/SuSE/8.0/ChangeLog - 525k - Cached

3. http://ftp.tiscali.nl/conectiva/8/doc/PACKAGES
ElectricFence - A debugger which detects memory allocation violations. If you know what malloc() violations are, y used for C programming and debugging. ... use editor which is both network- **oriented** and very secure ... and inc **object-oriented** derivative of the C ...
ftp.tiscali.nl/conectiva/8/doc/PACKAGES - 372k - Cached

4. Installed RPMS on my Red Hat 9 System
... tools for XML processing and **object**-databases. It contains the ... and includes support for **UML** static structure
www.webdragon.net/rpmdb/rpmdbdescr.html - 313k - Cached

5. RPMs Included in the Red Hat for S/390 version 7.2
... tools for XML processing and **object**-databases. It contains the ... if you need a utility for time-**oriented** job con
www.linuxvm.org/Info/redhat.html - 393k - Cached

6. http://ftp.asp-linux.com/i386/RPMS.7.3/Packages1
It contains the following components: 4DOM is an implementation of the W3C's standard DOM API for HTML and on the IDL used in the formal DOM spec. ... tools for XML processing and **object**-databases. It contains the ... if y
ftp.asp-linux.com/i386/RPMS.7.3/Packages1 - 409k - Cached

7. http://packages.debian.org/testing/allpackages
Subprograms - Dev. files for LAM blacs-lam-test (1.1-21) Basic Linear Algebra Comm. Subprograms - Test files fo - Dev.
packages.debian.org/testing/allpackages - More pages from this site

8. http://lists.fresco.org/pipermail/fresco-devel/2000-January.txt
to be able > to adapt to future changes in input devices. ...
lists.fresco.org/pipermail/fresco-devel/2000-January.txt

9. The Hurd Packages at ftp.us.debian.org
... arpack++ 2.1-3. devel. **object-oriented** version of the ARPACK package ... 16-2. graphics. **Device driver** sour
www.cornmania.de/hurd/ftp.us.debian.org.html - 524k - Cached

10. http://packages.debian.org/unstable/allpackages
Subprograms - Dev. files for LAM blacs-lam-test (1.1-21) Basic Linear Algebra Comm. Subprograms - Test files fo - Dev.
packages.debian.org/unstable/allpackages - More pages from this site

11. freshmeat.net: Releases announced Thursday, January 23rd 2003
freshmeat maintains the Web's largest index of Unix and cross-platform open source software. Thousands of app new code ... System is an LD_**PRELOAD** module for manipulating what ... create flow charts, maps, **UML** diagram **oriented** CGI applications ...
freshmeat.net/daily/2003/01/23 - 374k - Cached

12. http://www.debuan.org/mirrors/Debian/debian-archive/dists/potato/main/binary-i386/Packages
3c5x9setup : EEPROM setup and diagnostic program for the 3Com 3c5x9 series ethercards el3diag : Diagnostic optional Section: games Installed-Size: 80 Maintainer: Robert S. ... technology with the **object oriented** paradigm a ...
www.debuan.org/mirrors/Debian/debian-archive/dists/potato/main/binary-i386/Packages - 541k - Cached - More p

13. http://www.debuan.org/mirrors/Debian/debian-archive/dists/potato/main/binary-alpha/Packages
Package: 3dchess Priority: optional Section: games Installed-Size: 93 Maintainer: Robert S. ... technology with the **oriented** paradigm. Aleph has a ... technology with the **object oriented** paradigm. Aleph has a ...
www.debuan.org/mirrors/Debian/debian-archive/dists/potato/main/binary-alpha/Packages - 525k - Cached - More

14. FreeBSD Ports Collection Index
... NetRexx-2.02_2 – Human-**oriented** programming language for writing ... argouml-0.12 – A **UML** design tool w linux.inhk.net/mirror/freebsd-www/data/ports/master-index.html

15. http://www.ext.netg.se/debian/dists/potato/main/binary-arm/Packages
Package: 3dchess Priority: optional Section: games Installed-Size: 80 Maintainer: Robert S. ... technology with the **oriented** paradigm. Aleph has a ... technology with the **object oriented** paradigm. Aleph has a ...
www.ext.netg.se/debian/dists/potato/main/binary-arm/Packages - 524k - Cached

16. http://ftp.es.debian.org/debian/dists/sid/main/binary-hurd-i386/Packages
This is the traditional rdist from 4.4BSD Lite with FreeBSD fixes. It is provided for compatibility with third-party rdis Linux 2.4 ... bindings that support the **object oriented** paradigm. Aleph has a ... naturally matching the +id+ **attril**
ftp.es.debian.org/debian/dists/sid/main/binary-hurd-i386/Packages

17. http://ftp3.jp.freebsd.org/archives/linux/debian/debian-ddtp/dists/fr/sarge/main/binary-i386/Pack
Trois échiquiers, 96 pièces et 26 directions. Package: 3ddesktop Priority: optional Section: utils Installed-Size: 400
ftp3.jp.freebsd.org/archives/linux/debian/debian-ddtp/dists/fr/sarge/main/binary-i386/Packages - 524k - Cached

18. http://mirror.ctrlaltdel.ch/debian/dists/testing/main/binary-hppa/Packages
There are three boards, stacked vertically; 96 pieces of which most are the traditional chess pieces with just a cou mirror.ctrlaltdel.ch/debian/dists/testing/main/binary-hppa/Packages - 524k - Cached

19. Linux Gazette Table of Contents LG #92
... Or they'll **preload** a dual boot, or can customize ... that the loop block **device driver** will treat as if it ... be a dow
www.linuxgazette.com/issue92/TWDT.html - 212k - Cached

20. Issue 92 - July 2003
Article reprint from www.LinuxGazette.com. Issue 92 - July 2003. Articles. select() on Message Queue. select() on
www.linuxgazette.com/book/print/261 - 221k - Cached

Results Page:
1 2 **Next**

Web | Images | Directory | Yellow Pages | News | Products
Your Search: preload object oriented attribute UML"Device Driver" Search

Help us improve your search experience. Send us feedback.

Get free Pop-Up Blocker - Yahoo! Toolbar

Copyright © 2004 Yahoo! Inc. All rights reserved. Privacy Policy - Terms of Service - Submit Your Site

Google

Web Images Groups News Froogle more »

preload "Device Driver" attribute Search Advanced Search Preferences

Web

Results 1 - 10 of about 235 for preload "Device Driver" attribute . (0.81 seconds)

Microsoft Windows XP - Glossary
... A file used by the Domain Name System (DNS) server to **preload** its names ... as having been backed up (in other words, the archive **attribute** is not ... **device driver**. ...
www.microsoft.com/resources/documentation/ Windows/XP/all/reskit/en-us/gloss_rk_pro.asp - 101k - Cached - Similar pages

Internet Explorer 5.0 Resource Kit: Microsoft Internet Explorer 5 ...
... You can **preload** the Favorites menu with pointers to ... video cameras, and the new video **device driver** model. ... enables you to specify the Exchange **attribute** for the ...
www.microsoft.com/resources/documentation/ ie/5/all/reskit/en-us/part1/ch02comp.mspx - 75k - Cached - Similar pages
[More results from www.microsoft.com]

docs.sun.com: X Server Device Developer's Guide
... so.1" # initFunc="ACMExtnExtensionInit" # **preLoad**="NO"; # End ... value of the device **attribute** depends on whether a kernel graphics **device driver** is associated ...
docs.sun.com/db/doc/802-5903/6i9km3agl?a=view - 40k - Cached - Similar pages

[PDF] MAC Framework Port to OpenDarwin Brown Bag Lunch
File Format: PDF/Adobe Acrobat - View as HTML
... primitive Modify BootX to **preload** non-binary ... System Call Layer IOKit **Device Driver** Framework Process ... Support Libraries Extended **attribute** system calls ...
www.madchat.org/sysadm/ 20040219-cboss-apple-brownbag.pdf - Similar pages

newbus integration of MOD_QUIESCE
... disappears or would it make it impossible to **preload** a **device driver** and provide ...
RFC 956 FreeBSD committer | BSD since 4.3-tahoe Never **attribute** to malice ...
lists.freebsd.org/pipermail/ freebsd-arch/2004-July/002436.html - 10k - Cached - Similar pages

Chapter 32 -- Creating Netscape Navigator Plug-Ins
... a full-duplex, modular connection to a given **device driver**. ... LiveCache also enables you to **preload** content from ... be specified in the PLUGINSPACE **attribute** of the ...
docs.rinet.ru/WPU/ch32.htm - 55k - Cached - Similar pages

Workplace Shell Programming Reference
... whose value depends on the mouse **device driver** currently loaded ... mix -An **attribute** that determines how the ... before module execution begins (**preload**), or loadable ...
www.warpspeed.com.au/cgi-bin/inf2html. cmd?..%5Chtml%5Cbook%5CToolkt40%5CWPS3.INF+738 - 12k - Cached - Similar pages

< Installation instructions for Warp FixPak XR_W022 August 6, 1996 ...
... Manufacturing Refresh Connect XR_3005 Warp **Preload** XR_3005 Warp ... When these display **device driver** become available "Publicly ... have the Read-Only **attribute** set. ...
hobbes.nmsu.edu/pub/os2/system/ patches/fixpack/warp_3/xr_w022.rm1 - 51k - Cached - Similar pages

SMIT Help Information for Ethernet Adapters
... The **device driver** will poll the adapter for a Link status ... This **attribute** holds values ranging from 100 to 1000 ... of bytes that the adapter can **preload** into its ...
lmhibm5.epfl.ch/doc_link/C/a_doc_lib/ aixhelp/smithelp/smit_ethernet.htm - 21k - Supplemental Result -

Cached - Similar pages

Installing Debian GNU/Linux 2.2 For Alpha
... We require that you properly **attribute** Debian and the ... 7.5 **Preload** Drivers; 7.6 Last Chance! ... 7.12 ``Configure **Device Driver** Modules''; 7.13 ``Configure the Network ...
softcity.libero.it/debian/dists/potato/ main/disks-alpha/2.2.20-2000-12-03/doc/install.en.html - 12k - Supplemental Result - Cached - Similar pages

Gooooooooooogle ▶
Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

Free! Get the Google Toolbar. Download Now - About Toolbar

preload "Device Driver" attribute Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2004 Google

CiteSeer Find: [ ] Documents Citations

Searching for **preload and attribute and device driver**.
Restrict to: Header Title Order by: Expected citations Hubs Usage Date Try: Google (CiteSeer) Google (Web) CSB DBLP
No documents match Boolean query. Trying non-Boolean relevance query.
500 documents found. **Order: relevance to query.**

Report on the Development, Structure and Performance of ATM.. - Richard Black (Correct)
the Development, Structure and Performance of ATM **Device drivers** for the Personal Computer operating
ftp.cl.cam.ac.uk/public/papers/ATM/docs-95-10/06.ps.gz

Signalling Protocol for P4 (SPP4), version 1.0 - Hadzic (1998) (Correct)
doing the actual processing. The purpose of this **preload**ing is to allow the policy module to (if
it. The third element is the platform specific **device driver**. Policy modules and signalling protocol
The third element is the platform specific **device driver**. Policy modules and signalling protocol both use
www.cis.upenn.edu/~boosters/SPP4.ps

North American ISDN Users' Forum Application Software Interface .. - Part Ms-Dos (Correct)
shall be "ARDDAE00" and "ARDDPE00"2. The **device attribute** word in the **device** header shall be coded such
3.0. Address Resolution **Device**
referred to as the Address Resolution **Device Driver** (ARDD)This **device driver** is defined in detail
isdn.ncsl.nist.gov/niuf/404-92-2.ps

The FreeBSD Audio Driver - Rizzo (1997) (Correct) (1 citation)
the definition of a software interface for audio **devices** which is well suited to multimedia applications.
The FreeBSD Audio **Driver** Luigi Rizzo Dip. di Ingegneria
Abstract. We recently developed an audio **driver** in the FreeBSD operating system. In this work, we
www.iet.unipi.it/~luigi/cost237.ps.gz

Dynamic Memory Disambiguation Using the Memory Conflict Buffer - Gallagher (1994) (Correct) (56 citations)
introduction of at most two new instructions: 1) **preload**, which performs a normal load operation, but
www.cag.lcs.mit.edu/~mfrank/collect/ARB/gallagher:asplos:94.ps.gz

Networking Performance for Microkernels - Maeda, Bershad (1992) (Correct) (18 citations)
to send outgoing packets to an in-kernel ethernet **device driver**. Incoming packets are read by the **device**
outgoing packets to an in-kernel ethernet **device driver**. Incoming packets are read by the **device driver**
driver. Incoming packets are read by the **device driver** and then demultiplexed to user tasks (normally
ftp.cs.cmu.edu/project/mach/doc/published/netperf.ps

Machine-Level Class Representation For An Adaptive.. - Lutz Wohlrab (Correct)
for instance, allow to load new code for new **device drivers** and to make them available during
instance, allow to load new code for new **device drivers** and to make them available during runtime. 1
creation of an instance of an already known **device driver** or, more generally, regarding object-oriented
www.tu-chemnitz.de/informatik/osg/papers/95/icsber.ps.gz

On the Optimality of the Simple Bayesian Classifier under.. - Domingos, Pazzani (1997) (Correct) (84 citations)
Bayesian classifier is known to be optimal when **attributes** are independent given the class, but the
www.ics.uci.edu/~pedrod/mlj97.ps.gz

Mechanisms and Interfaces for Software-Extended Coherent Shared.. - Chaiken (1994) (Correct) (4 citations)
to have been one of his first students at MIT and **attribute** much of my success to his guidance. Frans
ftp.cag.lcs.mit.edu/pub/papers/chaiken-dissert-1-10.ps.Z

Towards a Common Object Model and API for Accelerator Controls - Di Maio (Correct)
to describe the important concepts (**device**, **attributes**.and to decompose the objects up to the
issues, to describe the important concepts (**device**, **attributes**.and to decompose the objects up
adwww.fnal.gov/www/icalepcs/abstracts/Postscript/m4bb.ps

CSDC - The MoTiV Car Speech Data Collection - Langmann, Pfitzinger.. (1998) (Correct) (5 citations)
rides in advance. It turned out that not all the **devices** can resist the large mechanical stress. 3) The
multi-channel recorded speech data from about 640 **drivers** were collected in seven different mid- to
by freeing the hands and the attention of the **driver** from choosing the right buttons somewhere on the
www.phonetik.uni-muenchen.de/Publications/Pfitzinger_LREC98b.ps

Performance evaluation of CP-PACS on CG benchmark - Ken'ichi Itakura (1997) (Correct)
we introduce preceding memory access instructions **preload** and poststore, which correspond to load and
www.hal.rcast.u-tokyo.ac.jp/~nakamura/papers/Parallel/HPCASIA97-2.ps.Z

A New Audio Device Driver Abstraction - Reed (1998) (Correct) (1 citation)
A new audio **device driver** abstraction Dickon Reed Computer
A new audio **device driver** abstraction Dickon Reed Computer Laboratory,
audio and video"1998 Traditional audio **device drivers** are unable to provide low latency audio services
www.cl.cam.ac.uk/Research/SRG/netos/pegasus/papers/audio.ps.gz

Tolerating Data Access Latency with Register Preloading - William Chen (1992) (Correct) (4 citations)
1 Tolerating Data Access Latency with Register **Preload**ing William Y. Chen Scott A. Mahlke Wen-mei W.
ftp.crhc.uiuc.edu/pub/IMPACT/conference/ics-92-preload.ps

Concurrent Object-Oriented Device Driver Programming in.. - Itoh, Yokote (1994) (Correct) (3 citations)
Memo SCSL-TM-94-005 Concurrent Object-Oriented **Device Driver** Programming in Apertos Operating System
SCSL-TM-94-005 Concurrent Object-Oriented **Device Driver** Programming in Apertos Operating System
low-level OS components, especially **device drivers**. We introduce the notion of concurrent objects
ftp.csl.sony.co.jp/CSL/CSL-Papers/94/SCSL-TM-94-005.ps.Z

Plan 9, A Distributed System - Dave Presotto (1991) (Correct) (3 citations)
to the new file (or directory)stat -get the **attributes** of the file pointed to. wstat -change the
file servers. They can also represent physical **devices** such as terminals or complex abstractions such
file systems can be implemented by kernel resident **drivers**, by user level processes, or by remote servers.
http.cs.berkeley.edu/~gribble/osprelims/F95/papers/plan9_new.ps.gz

Dynamic Network Reconfiguration Support for Mobile Computers - Jon Inouye (1997) (Correct) (12 citations)
mobile laptop users to select the best network **device** for their current environment. Unfortunately, the
physical network **device** are passed by the **device driver** up to the network layer. Packets do not flow
not flow between the network stack and the **device driver** when the **driver**'s network interface is
cse.ogi.edu/pub/dsrg/synthetix/mobicom97.ps.gz

A Discussion of Zero Spring Rate Mechanisms Used for the.. - John Teter Jr (1999) (Correct)
This produces a negative stiffness related to the **preload** in the arm. Theoretically this negative
much thinner than a compression spring, the whole **device** could be made much shorter. In practice, the leaf
techreports.larc.nasa.gov/pub/techreports/larc/1999/tm/NASA-99-tm209723.ps.Z

Condition Assessment Of Concrete Structures By Dynamic.. - Genda Chen Asce (Correct)
rongo.ce.jhu.edu/emd99/sessions/sessions/papers/gchen1.pdf

Performance Comparison Of Video Transport Over ATM.. - Hossain, Kang, Horst (Correct)
are not taken to improve the situation. We **attribute** this degradation to increased internal kernel
high speed connection among processors and I/O **devices** in a cluster[4]5]ServerNet is a
(thus establishing the chain)The ServerNet **driver** initializes the transfer by writing the MM
berserk.vlsi.uiuc.edu/people/ashfaq/ieee.mm97.ps

First 20 documents Next 20

Try your query at: Google (CiteSeer) Google (Web) CSB DBLP

CiteSeer - Copyright NEC and IST

Terms used **preload attribute driver** Found **16** of **140,980**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 16 of 16

Relevance scale

1 Virtual machine monitors: Terra: a virtual machine-based platform for trusted computing
Tal Garfinkel, Ben Pfaff, Jim Chow, Mendel Rosenblum, Dan Boneh
October 2003 **Proceedings of the nineteenth ACM symposium on Operating systems principles**
Full text available: pdf(140.31 KB) Additional Information: full citation, abstract, references, index terms

We present a flexible architecture for trusted computing, called Terra, that allows applications with a wide range of security requirements to run simultaneously on commodity hardware. Applications on Terra enjoy the semantics of running on a separate, dedicated, tamper-resistant hardware platform, while retaining the ability to run side-by-side with normal applications on a general-purpose computing platform. Terra achieves this synthesis by use of a *trusted virtual machine monitor* (TVMM ...

Keywords: VMM, attestation, authentication, trusted computing, virtual machine, virtual machine monitor

2 Resource management in a decentralized system
Daniel H. Craft
October 1983 **ACM SIGOPS Operating Systems Review , Proceedings of the ninth ACM symposium on Operating systems principles**, Volume 17 Issue 5
Full text available: pdf(798.36 KB) Additional Information: full citation, abstract, references, citings, index terms

The heterogeneous collection of machines constituting the Processor Bank at Cambridge represents an important set of resources which must be managed. The Resource Manager incorporates these machines into a wider view of resources in a network. It will accept existing resources and specifications for constructing others from existing ones. It will then allocate these to clients on demand, combining existing resources as necessary. Resource management in a decentralized system presents ...

3 Surpassing the TLB performance of superpages with less operating system support
Madhusudhan Talluri, Mark D. Hill
November 1994 **Proceedings of the sixth international conference on Architectural support for programming languages and operating systems**, Volume 29 , 28 Issue 11 , 5
Full text available: pdf(1.50 MB) Additional Information: full citation, abstract, references, citings, index

terms

Many commercial microprocessor architectures have added translation lookaside buffer (TLB) support for superpages. Superpages differ from segments because their size must be a power of two multiple of the base page size and they must be aligned in both virtual and physical address spaces. Very large superpages (e.g., 1MB) are clearly useful for mapping special structures, such as kernel data or frame buffers. This paper considers the architectural and opera ...

4 Virtual machine monitors: Xen and the art of virtualization

Paul Barham, Boris Dragovic, Keir Fraser, Steven Hand, Tim Harris, Alex Ho, Rolf Neugebauer, Ian Pratt, Andrew Warfield

October 2003 **Proceedings of the nineteenth ACM symposium on Operating systems principles**

Full text available: pdf(168.76 KB) Additional Information: full citation, abstract, references, citings, index terms

Numerous systems have been designed which use virtualization to subdivide the ample resources of a modern computer. Some require specialized hardware, or cannot support commodity operating systems. Some target 100% binary compatibility at the expense of performance. Others sacrifice security or functionality for speed. Few offer resource isolation or performance guarantees; most provide only best-effort provisioning, risking denial of service.This paper presents Xen, an x86 virtual machine monit ...

Keywords: hypervisors, paravirtualization, virtual machine monitors

5 "Topologies"—distributed objects on multicomputers

Karsten Schwan, Win Bo

May 1990 **ACM Transactions on Computer Systems (TOCS)**, Volume 8 Issue 2

Full text available: pdf(3.83 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Application programs written for large-scale multicomputers with interconnection structures known to the programmer (e.g., hypercubes or meshes) use complex communication structures for connecting the applications' parallel tasks. Such structures implement a wide variety of functions, including the exchange of data or control information relevant to the task computations and/or the communications required for task synchronization, message forwarding/filtering under program control, and so o ...

6 Disconnected operation for heterogeneous servers

Dorota M. Huizinga, Patrick Mann

February 1996 **Proceedings of the 1996 ACM symposium on Applied Computing**

Full text available: pdf(857.48 KB) Additional Information: full citation, references, citings, index terms

Keywords: disconnected operation, mobile computing

7 Fast and flexible application-level networking on exokernel systems

Gregory R. Ganger, Dawson R. Engler, M. Frans Kaashoek, Héctor M. Briceño, Russell Hunt, Thomas Pinckney

February 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 1

Full text available: pdf(500.67 KB) Additional Information: full citation, abstract, references, citings, index terms

Application-level networking is a promising software organization for improving performance and functionality for important network services. The Xok/ExOS exokernel system includes application-level support for standard network services, while at the same time allowing application writers to specialize networking services. This paper describes how Xok/ExOS's kernel mechanisms and library operating system organization achieve this flexibility, and retrospectively shares our experiences an ...

Keywords: Extensible systems, OS structure, fast servers, network services

8 Designing and implementing Choices: an object-oriented system in C++
Roy H. Campbell, Nayeem Islam, David Raila, Peter Madany
September 1993 **Communications of the ACM**, Volume 36 Issue 9
Full text available: pdf(3.22 MB) Additional Information: full citation, references, citings, index terms

Keywords: concurrency, concurrent object-oriented programming

9 Information technology, process reengineering, and performance measurement: a balanced scorecard analysis of Compaq computer corporation
William F. Wright, Rodney Smith, Ryan Jesser, Mark Stupeck
February 1999 **Communications of the AIS**
Full text available: pdf(284.66 KB) Additional Information: full citation, references, index terms

10 Affinity-based management of main memory database clusters
Minwen Ji
November 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 4
Full text available: pdf(553.96 KB) Additional Information: full citation, abstract, references, index terms

We study management strategies for main memory database clusters that are interposed between Internet applications and back-end databases as content caches. The task of management is to allocate data across individual cache databases and to route queries to the appropriate databases for execution. The goal is to maximize effective cache capacity and to minimize synchronization cost. We propose an affinity-based management system for main memory database cLUsters (*ALBUM*). ALBUM executes ea ...

Keywords: Main memory database, clustering, database administration, database cluster, file organization, query affinity, scalability

11 Rooms: the use of multiple virtual workspaces to reduce space contention in a window-based graphical user interface
D. Austin Henderson, Stuart Card
July 1986 **ACM Transactions on Graphics (TOG)**, Volume 5 Issue 3
Full text available: pdf(4.58 MB) Additional Information: full citation, abstract, references, citings, index terms

A key constraint on the effectiveness of window-based human-computer interfaces is that the display screen is too small for many applications. This results in "window thrashing," in which the user must expend considerable effort to keep desired windows visible. Rooms is a window manager that overcomes small screen size by exploiting the statistics of window access, dividing the user's workspace into a suite of virtual workspaces with transitions

among them. Mech ...

12 XTREM: a power simulator for the Intel XScale® core

Gilberto Contreras, Margaret Martonosi, Jinzhan Peng, Roy Ju, Guei-Yuan Lueh

June 2004 **ACM SIGPLAN Notices , Proceedings of the 2004 ACM SIGPLAN/SIGBED conference on Languages, compilers, and tools**, Volume 39 Issue 7

Full text available: pdf(1.07 MB) Additional Information: full citation, abstract, references, index terms

Managing power concerns in icroprocessors has become a pressing research problem across the domains of computer architecture, CAD, and compilers. As a result, several parameterized cycle-level power simulators have been introduced. While these simulators can be quite useful for microarchitectural studies, their generality limits how accurate they can be for any one chip family. Furthermore, their hardware focus means that they do not explicitly enable studying the interaction of different softwa ...

Keywords: Java, XORP, XScale, hardware performance counters, power measurements, power modeling

13 Tarantula: a vector extension to the alpha architecture

Roger Espasa, Federico Ardanaz, Joel Emer, Stephen Felix, Julio Gago, Roger Gramunt, Isaac Hernandez, Toni Juan, Geoff Lowney, Matthew Mattina, André Seznec

May 2002 **ACM SIGARCH Computer Architecture News**, Volume 30 Issue 2

Full text available: pdf(1.19 MB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

Tarantula is an aggressive floating point machine targeted at technical, scientific and bioinformatics workloads, originally planned as a follow-on candidate to the EV8 processor [6, 5]. Tarantula adds to the EV8 core a vector unit capable of 32 double-precision flops per cycle. The vector unit fetches data directly from a 16 MByte second level cache with a peak bandwidth of sixty four 64-bit values per cycle. The whole chip is backed by a memory controller capable of delivering over 64 GBytes/s ...

Keywords: Vector Processor, Microprocessor, High Performance, Bandwidth, Power, Instruction Set Architecture, Virtual Memory, Cache Coherency

14 Risks to the public in computer systems

Peter G. Neumann

April 1986 **ACM SIGSOFT Software Engineering Notes**, Volume 11 Issue 2

Full text available: pdf(1.41 MB) Additional Information: full citation, index terms

15 Distributed operating systems

Andrew S. Tanenbaum, Robbert Van Renesse

December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 4

Full text available: pdf(5.49 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Distributed operating systems have many aspects in common with centralized ones, but they also differ in certain ways. This paper is intended as an introduction to distributed operating systems, and especially to current university research about them. After a discussion of what constitutes a distributed operating system and how it is distinguished from a computer network, various key design issues are discussed. Then several examples of current research projects are examined in some detail ...

16 CMIFed: a transportable hypermedia authoring system
Lynda Hardman, Guido van Rossum, Jack Jansen, Sjoerd Mullender
October 1994 **Proceedings of the second ACM international conference on Multimedia**

Full text available: pdf(1.93 MB) Additional Information: full citation, references, citings, index terms

Results 1 - 16 of 16

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player